

# INTERNATIONAL SEARCH REPORT

International Application No  
PCT/EP 02/14774

## A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 H04Q7/38

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 H04Q

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EP0-Internal, WPI Data, PAJ

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 1 148 754 A (NOKIA MOBILE PHONES LTD) 24 October 2001 (2001-10-24) column 5, line 40 - line 48 abstract; figure 2	34,38-42
Y	---	1-9
Y	WO 02 093290 A (NOKIA CORP ;NOKIA INC (US)) 21 November 2002 (2002-11-21) abstract; claim 1	1-9, 20-24
Y	---	
Y	US 6 311 069 B1 (BOLTZ DAVID ET AL) 30 October 2001 (2001-10-30) abstract	20-24
A	---	
	WO 01 60100 A (BENEFON OYJ ;SIKILAE SAMI (FI)) 16 August 2001 (2001-08-16) page 7, line 11 - line 23 abstract	1-43
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☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

\* Special categories of cited documents :

"A" document defining the general state of the art which is not considered to be of particular relevance

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"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

"&" document member of the same patent family

Date of the actual completion of the international search

18 August 2003

Date of mailing of the international search report

11.09.2003

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2  
NL - 2280 HV Rijswijk  
Tel (+31-70) 340-2040, Tx. 31 651 epo nl  
Fax: (+31-70) 340-3016

Authorized officer

LISBETH ANDERSSON/JA A

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	<p>US 2002/193942 A1 (MURATA KATSUTOSHI ET AL) 19 December 2002 (2002-12-19) abstract; figures 6,8,9 -----</p>	1-43

**INTERNATIONAL SEARCH REPORT**  
 information on patent family members

International Application No  
**PCT/EP 02/14774**

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			JP 2001356163 A	26-12-2001
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			AU 3551501 A	20-08-2001
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